



OPENWRT ROUTERS FOR ALL PURPOSES

Enterprise IoT Solution / Data Privacy Solution / Smart Home Gateway Solution

GL Technologies (Hong Kong) Limited, Designed for MWC (Mobile World Congress) 2019 Barcelona

Production Portfolio

ver. 20190131 

150M



WHITE
Mini Smart Router



microuter
Microuter



GL-MiFi
4G Smart Router

300M



MANGO
Mini Smart Router



VIXMINI
Mini Smart Router



SHADOW
Mini Smart Router

750M



CRETA
Travel AC Router



SLATE
Gigabit Travel Router



Spitz I Collie
4G LTE Smart Router

1000M+



convexa B
Gigabit Home Router



convexa S
Smart Home Gateway



Amarok
Industrial 4G IoT Gateway

Mini Smart Router

GL-USB150 / GL-AR150 / GL-MT300N-V2 / VIXMINI / GL-AR300M



microuter
GL-USB150

WHITE
GL-AR150

MANGO
GL-MT300N-V2

VIXMINI
VIXMINI

SHADOW
GL-AR300M Series

SPECIFICATIONS

	CPU	AR9331, @400MHz SoC	AR9331, @400MHz SoC	MTK7628NN, @580MHz SoC	MTK7628NN, @580MHz SoC	QCA9531, @650MHz SoC
	Memory / Storage	DDR2 64MB / FLASH 16MB	DDR2 64MB / FLASH 16MB	DDR2 128MB / FLASH 16MB	DDR2 64MB / FLASH 8MB	DDR2 128MB / FLASH 16MB
	Wireless Protocol	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n
	Frequency	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz
	Wi-Fi Speed	150Mbps	150Mbps	300Mbps	300Mbps	300Mbps
	TX Power	<18dBm	<18dBm	<20dBm	<20dBm	<20dBm
	Ext. Antenna	0	Optional	0	0	Optional
	Ethernet Port	USB to Ethernet	1WAN, 1LAN	1WAN, 1LAN	1WAN/LAN	1WAN, 1LAN
	USB Port	0	USB 2.0	USB 2.0	0	USB 2.0
	Power Input	5V/1A	5V/1A	5V/1A	5V/1A	5V/1A
	Power Consumption	<1W	<1.5W	<2.75W	<2.75W	<2W
	OS	OpenWrt	OpenWrt	OpenWrt	OpenWrt	OpenWrt
	Wi-Fi Range	60m	80-100m	80-100m	80-100m	80-100m
	GPIO Count	0	4	4	0	2
	Working Temperature	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)
	Dimension / Weight	82*24*11mm / 10g	58*58*25mm / 40g	58*58*25mm / 40g	47*47*18mm / 30g	58*58*25mm / 40g

BASIC FEATURES

	Wi-Fi Repeater	✓	✓	✓	✓	✓
	Ext. USB Modem	—	✓	✓	—	✓
	USB Power Control	—	✓	✓	—	*
	Dual-band Wi-Fi	—	—	—	—	—
	OpenVPN Client	✓	✓	✓	—	✓
	MicroSD Slot	—	—	—	—	—
	Built-in Nand Flash	—	—	—	—	*

ADVANCED FEATURES

	Mode Switch	—	✓	✓	—	✓
	Built-in PoE	—	*	—	—	—
	SIM Card	—	—	—	—	—
	Gigabit Port	—	—	—	—	—
	Mesh Wi-Fi	—	—	—	—	—
	MU-MIMO	—	—	—	—	—
	Built-in Battery	—	—	—	—	—
	Built-in GPS	—	—	—	—	—
	Built-in Zigbee	—	—	—	—	—
	Built-in Bluetooth	—	—	—	—	—

Travel AC Router

GL-AR750 / GL-AR750S



CRETA
GL-AR750



SLATE
GL-AR750S



convexa B
GL-B1300



convexa S
GL-S1300

	QCA9531, @650MHz SoC	QCA9563, @775MHz SoC	IPQ4028 Quad-core ARM, @717MHz SoC	IPQ4029 Quad-core ARM, @717MHz SoC
	DDR2 128MB / FLASH 16MB	DDR2 128MB / DUAL FLASH 16MB + 128MB	DDR3L 256MB / FLASH 32MB	DDR3L 512MB / FLASH 16MB + EMMC 8GB
	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11 a/b/g/n/ac	802.11 a/b/g/n/ac
	2.4GHz, 5GHz	2.4GHz, 5GHz	2.4GHz, 5GHz	2.4GHz, 5GHz
	300Mbps(2.4G) + 433Mbps(5G)	300Mbps(2.4G) + 433Mbps(5G)	400Mbps(2.4G) + 867Mbps(5G)	400Mbps(2.4G) + 867Mbps(5G)
	<20dBm	<20dBm	<20dBm	<20dBm
	0	2	0	0
	1WAN, 2LAN	1WAN, 2LAN	1WAN, 2LAN	1WAN, 2LAN
	USB 2.0	USB 2.0	USB 3.0	USB 3.0
	5V/2A	5V/2A	12V/1.5A	12V/1.5A
	<4W	<6W	<7W	<7W
	OpenWrt	OpenWrt	OpenWrt	OpenWrt
	100m	100m	100m	100m
	4	4	0	2
	-20 ~ 40°C (-4 ~ 104°F)	-20 ~ 40°C (-4 ~ 104°F)	-20 ~ 40°C (-4 ~ 104°F)	-20 ~ 40°C (-4 ~ 104°F)
	88*68*24mm / 66g	100*68*24mm / 110g	117*117*35mm / 212g	117*117*35mm / 240g

	✓	✓	✓	✓
	✓	✓	✓	✓
	✓	✓	✓	✓
	✓	✓	✓	✓
	✓	✓	✓	✓
	✓	✓	—	—
	—	✓	—	—

	✓	✓	—	—
	*	—	—	—
	—	—	—	—
	—	✓	✓	✓
	—	—	✓	✓
	—	—	✓	✓
	—	—	—	—
	—	—	—	—
	—	—	—	*
	—	—	—	✓

4G Smart Router

GL-MiFi / GL-X750 / GL-X750B / GL-X1200



GL-MiFi
GL-MIFI



Spitz
GL-X750



Collie
GL-X750B



Amarok
GL-X1200

	CPU	AR9331, @400MHz SoC	QCA9531, @650MHz SoC	QCA9531, @650MHz SoC	QCA9563, @775MHz SoC
	Memory / Storage	DDR2 64MB / FLASH 16MB	DDR2 128MB / FLASH 16MB	DDR2 128MB / FLASH 16MB	DDR2 128MB / FLASH 16MB
	Wireless Protocol	802.11 b/g/n	802.11 a/b/g/n/ac	802.11 a/b/g/n/ac	802.11 a/b/g/n/ac
	Frequency	2.4GHz	2.4GHz, 5GHz	2.4GHz, 5GHz	2.4GHz, 5GHz
	Wi-Fi Speed	150Mbps	300Mbps(2.4G) + 433Mbps(5G)	300Mbps(2.4G) + 433Mbps(5G)	300Mbps(2.4G) + 866Mbps(5G)
	TX Power	<18dBm	<20dBm	<20dBm	<23dBm
	Ext. Antenna	Optional	2	5	7
	Ethernet Port	1WAN, 1LAN	1WAN, 1LAN	1WAN, 1LAN	1WAN, 4LAN
	USB Port	USB 2.0	USB 2.0	USB 2.0	USB 2.0
	Power Input	5V/2A	12V/1.5A	12V/1.5A	12V/3A
	Power Consumption	<3W	<6W	<6W	<15W
	Operating System	OpenWrt	OpenWrt	OpenWrt	OpenWrt
	Wi-Fi Range	80m	100m	100m	100m
	GPIO Count	18	0	0	0
	Working Temperature	0 ~ 40°C (32 ~ 104°F)	-20 ~ 40°C (-4 ~ 104°F)	-30 ~ 60°C (-22 ~ 140°F)	-30 ~ 70°C (-22 ~ 158°F)
	Dimension / Weight	105*72*27 mm / 170g	115*74*22mm / 86g	130*100*30mm / 196g	226*140*35mm / 1.1kg

	Wi-Fi Repeater	✓	✓	✓	✓
	Ext. USB Modem	✓	✓	✓	✓
	USB Power Control	✓	✓	✓	✓
	Dual-band Wi-Fi	—	✓	✓	✓
	OpenVPN Client	✓	✓	✓	✓
	MicroSD Slot	✓	✓	✓	✓
	Built-in Nand Flash	—	—	—	*

	Mode Switch	—	—	—	—
	Built-in PoE	—	—	—	*
	SIM Card	✓	✓	✓	✓
	Gigabit Port	—	—	—	✓
	Mesh Wi-Fi	—	—	—	—
	MU-MIMO	—	—	—	✓
	Built-in Battery	✓	—	—	—
	Built-in GPS	*	*	*	✓
	Built-in Zigbee	—	*	*	—
	Built-in Bluetooth	—	*	*	—

Enterprise IoT Solution

Robust Network Connection for Business IoT Systems



4G LTE Router Connecting Traditional Devices to the Internet



Facilitating IoT & Cloud Communications

Apart from an Ethernet connection, Spitz (GL-X750), Collie (GL-X750B) and Amarok (GL-X1200) facilitate wireless communication through 4G LTE or Wi-Fi networks and build a secure network for IoT systems like smart control of power and water supplies. For devices that process sensitive information such as ATMs or Point-of-Sales (POS), they give you peace of mind knowing that all the data transmission could be encrypted via a VPN.



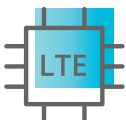
Enterprise-class Network Capabilities for IoT Systems

Spitz (GL-X750) and Collie (GL-X750B) feature built-in support for IoT wireless protocols. They work as a lightweight gateway for a vast number of IoT applications and connect to IoT devices through various methods including 4G LTE, Wi-Fi and Bluetooth (or Zigbee).



Interchangeable Module Tailored to Your Every Need

Whether you want a dual-band router that offers both 2.4GHz and 5GHz Wi-Fi networks or dual 2.4GHz Wi-Fi networks, Spitz (GL-X750), Collie (GL-X750B) and Amarok (GL-X1200) have you covered. Spitz (GL-X750) and Collie (GL-X750B) are easily configurable and have a built-in interchangeable module for full optimization. They fulfill any users' unique needs, such as Wi-Fi sensing and positioning applications that require multiple radios for different work tasks.



Industrial Grade LTE Module for All Regions

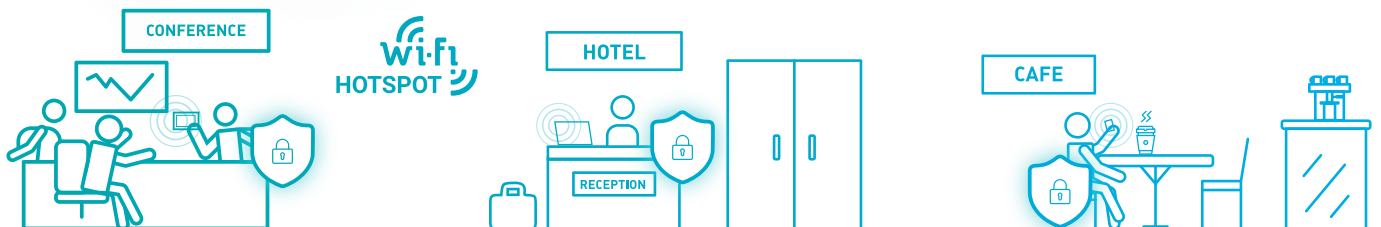
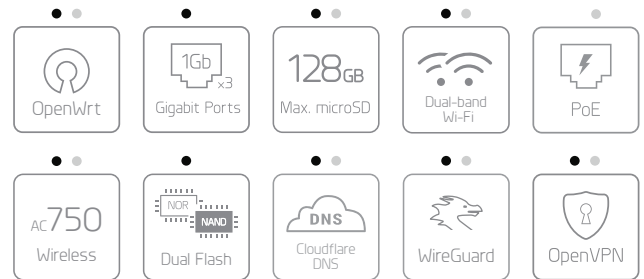
Spitz (GL-X750), Collie (GL-X750B) and Amarok (GL-X1200) are compatible with CAT4 and CAT6 LTE modules from various brands. Wherever your office is located, you can easily find the best fit with the best price.

Data Privacy Solution

Your Security is Our Priority



Travel Router with Dual-band Wi-Fi



Your Privacy is Safe with Us

Keep your Internet connection private with multiple VPN protocol support. Slate (GL-AR750S) and Creta (GL-AR750) provide the best encryption and authentication with OpenVPN. Meanwhile, WireGuard gives the privacy-minded users a fast and simple VPN that utilizes state-of-the-art cryptographic algorithms.



Routers for All Purposes in All Sizes

From a compact router as small as a USB stick to a mesh router with timeless design, we develop routers that cater to all your needs.



Mask Your Identity Online Wherever You Go

While traveling and using a public Wi-Fi network, the router protects you from Internet censorship and secures your data via your trusted VPN server or your private server in your home.



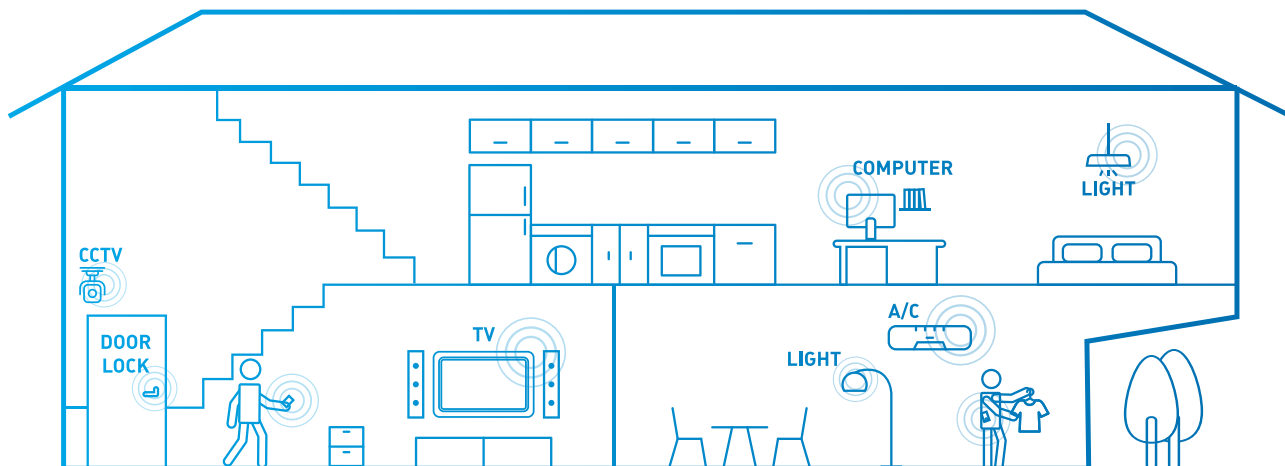
Connect Multiple Offices Seamlessly

Slate (GL-AR750S) brings all your offices together under a digital roof via secure VPN. Connecting your global offices with the Slate (GL-AR750S) so the staff from all your locations can communicate with each other remotely and share data securely.



Smart Home Gateway Solution

The Magic of Home Automation



Highspeed Network for Smart Appliances

Convexa-S (GL-S1300) and Convexa-B (GL-B1300) adopt MU-MIMO and Beamforming technology to maximize the Wi-Fi speed. Their quad-core CPUs provide multiple task processing capabilities for smart home applications including lighting, temperature, security and home appliances control.



Eliminate Wi-Fi Dead Zones

Convexa-S (GL-S1300) and Convexa-B (GL-B1300) are equipped with Qualcomm Wi-Fi SON (Self-Organizing Network) mesh technology to deliver robust and consistent connectivity to your entire home. Multiple units are required to extend the Wi-Fi network throughout your home.



Connecting Smart Home Sensors

Convexa-S (GL-S1300) can connect to various sensors with Zigbee or Bluetooth. Users can remotely monitor and control the sensors via the cloud. Convexa-S (GL-S1300) and Convexa-B (GL-B1300) support an open platform that can be easily customized for different scenarios and functions as a part of a trusted security mechanism to secure anything that is connected to it.



Storage Medium for Portable Devices

With a 8GByte EMMC (Embedded Multi-Media Card) storage, Convexa-S (GL-S1300) allows you to store your data offline, save bandwidth and process data locally.